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ning of each regular issue of the PCT Gazette.*

(54) Title: **USE OF PP2A PHOSPHATASE MODULATORS IN THE TREATMENT OF MENTAL DISORDERS**

(57) Abstract: The invention relates to the use of PP2A/By and to the use of a PP2A phosphatase comprising the PP2A/By subunit for screening for modulators thereof. The use of these modulators for treating mental disorders such as bipolar disorder, schizophrenia and depression, and drugs comprising these modulators are further disclosed. The invention also discloses biallelic markers located in the gene encoding PP2A/By and their use for diagnosing mental disorders.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, CHEM ABS Data, SEQUENCE SEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ZOLNIEROWICZ STANISLAW ET AL: "Diversity in the regulatory B-subunits of protein phosphatase 2A: Identification of a novel isoform highly expressed in brain" BIOCHEMISTRY, vol. 33, no. 39, 1994, pages 11858-11867, XP001180134	12
Y	ISSN: 0006-2960 page 11860, right-hand column, paragraph 3 -page 11861, left-hand column, paragraph 1 figure 6 --- -/--	1-5

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HU PEIRONG ET AL: "Molecular cloning and mapping of the brain-abundant B1gamma subunit of protein phosphatase 2A, PPP2R2C, to human chromosome 4p16" GENOMICS, vol. 67, no. 1, 1 July 2000 (2000-07-01), pages 83-86, XP004260490 ISSN: 0888-7543	12
Y	abstract; figure 1	1-5
Y	US 5 856 506 A (LAZO JOHN S ET AL) 5 January 1999 (1999-01-05) column 8, line 4 - line 23	1-5
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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